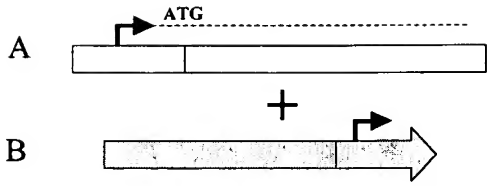
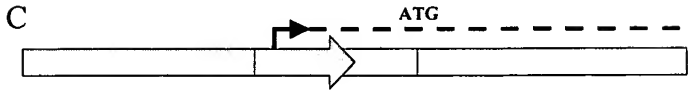
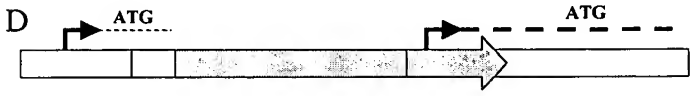
Figure 1

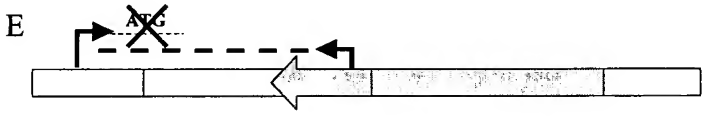




Overexpression of a full-length product.



Expression of a truncated product (gain of function or dominant-negative product?)



Anti-sense (inhibitory?) RNA.

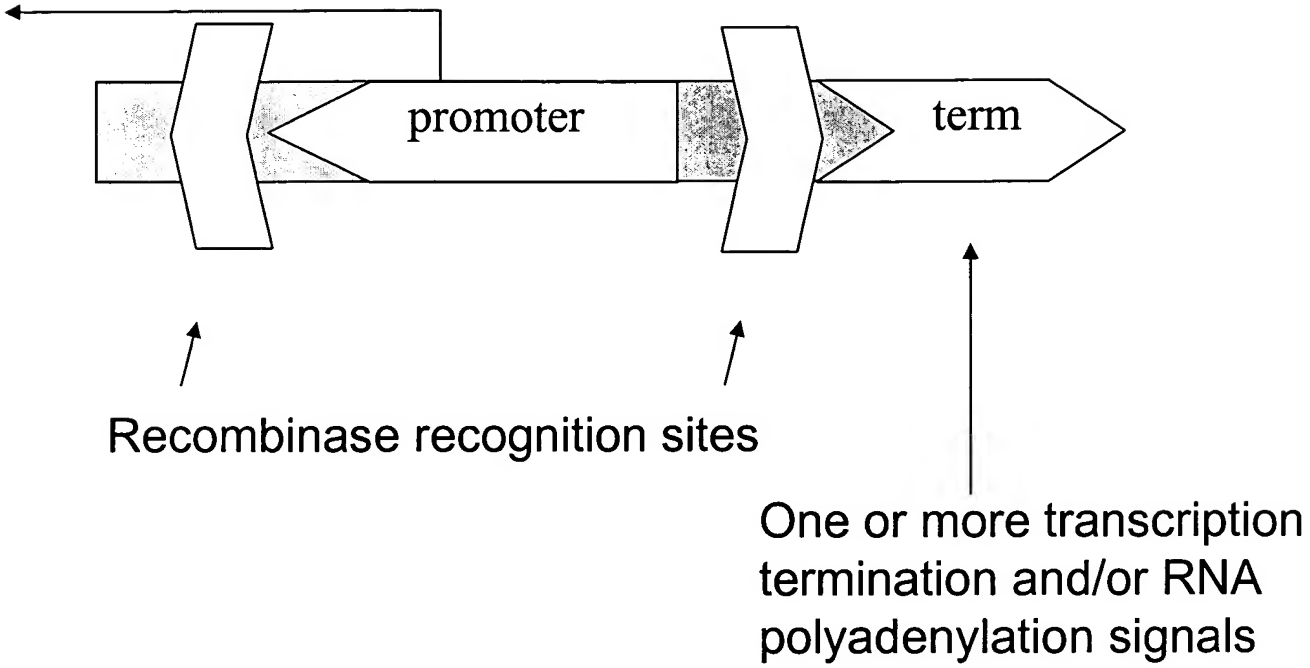

promoter
term
Recombinase recognition sites
One or more transcription termination and/or RNA polyadenylation signals

Figure 2

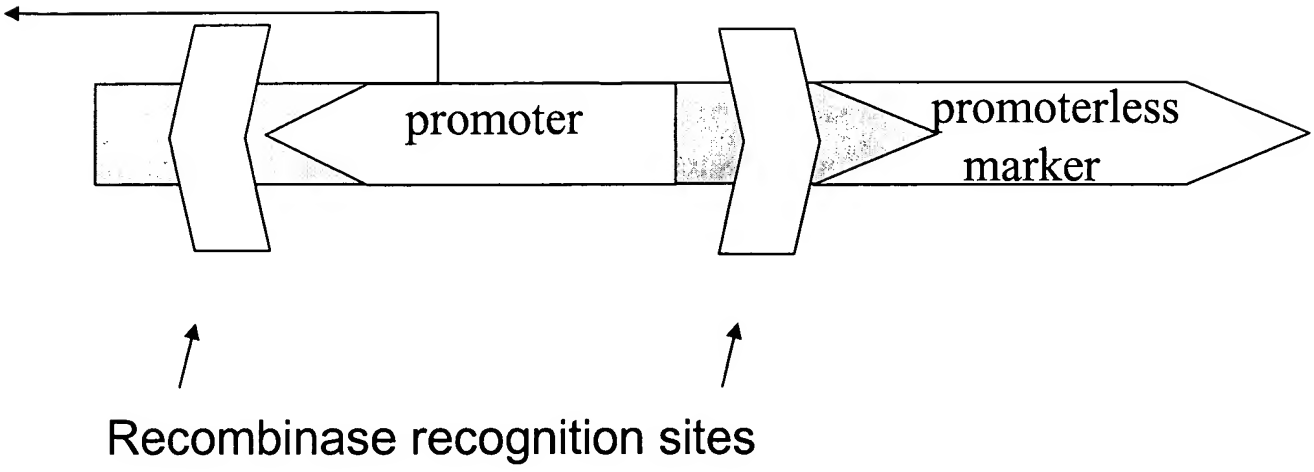

promoter
promoterless
marker
Recombinase recognition sites

Figure 3

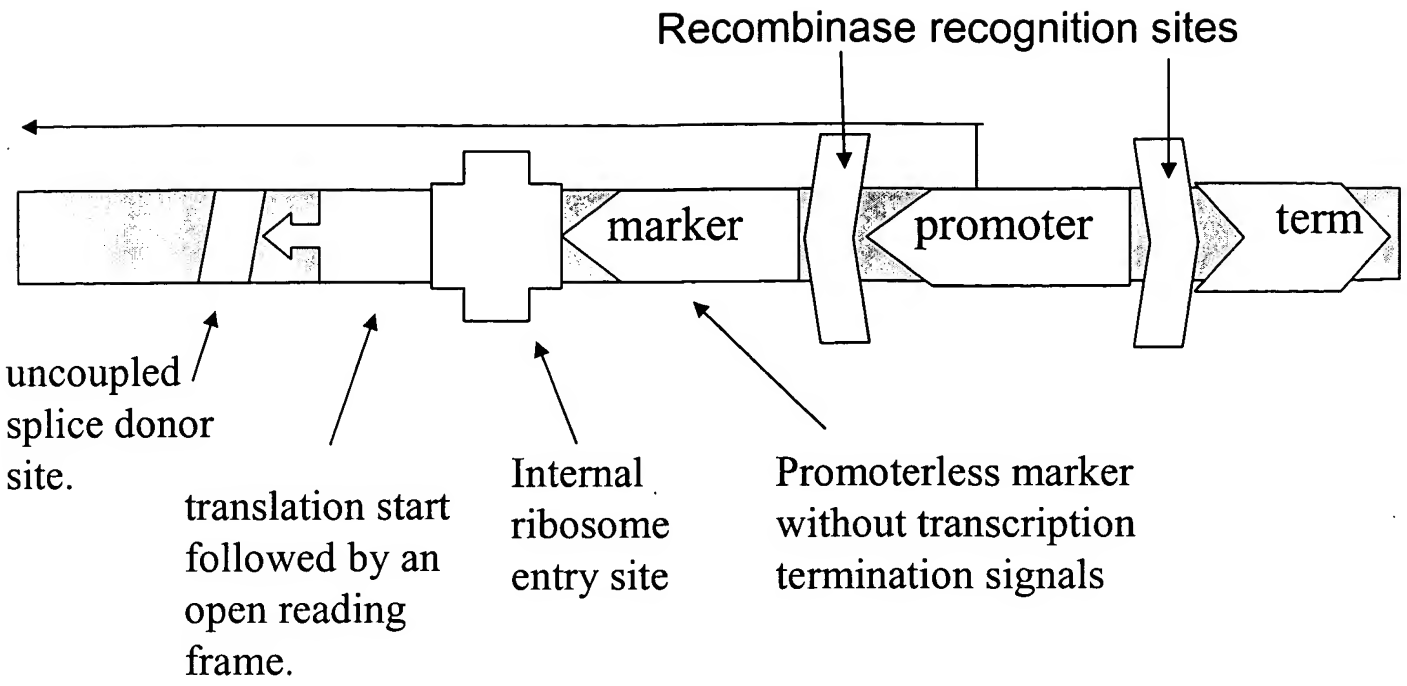

Recombinase recognition sites
marker
promoter
term
uncoupled splice donor site.
translation start followed by an open reading frame.
Internal ribosome entry site
Promoterless marker without transcription termination signals

Figure 4

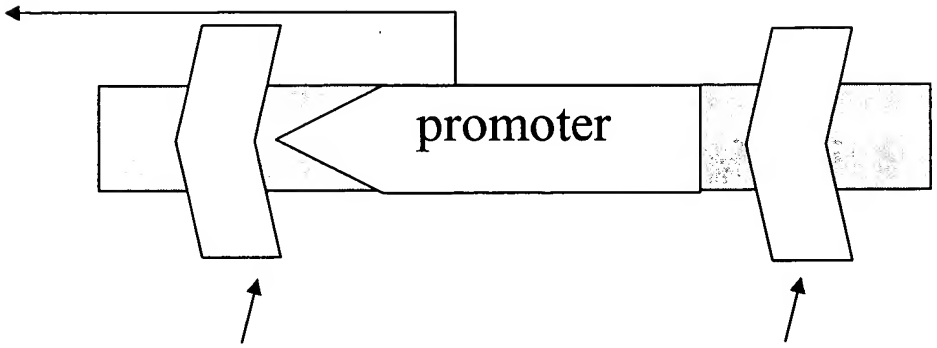


Figure 5

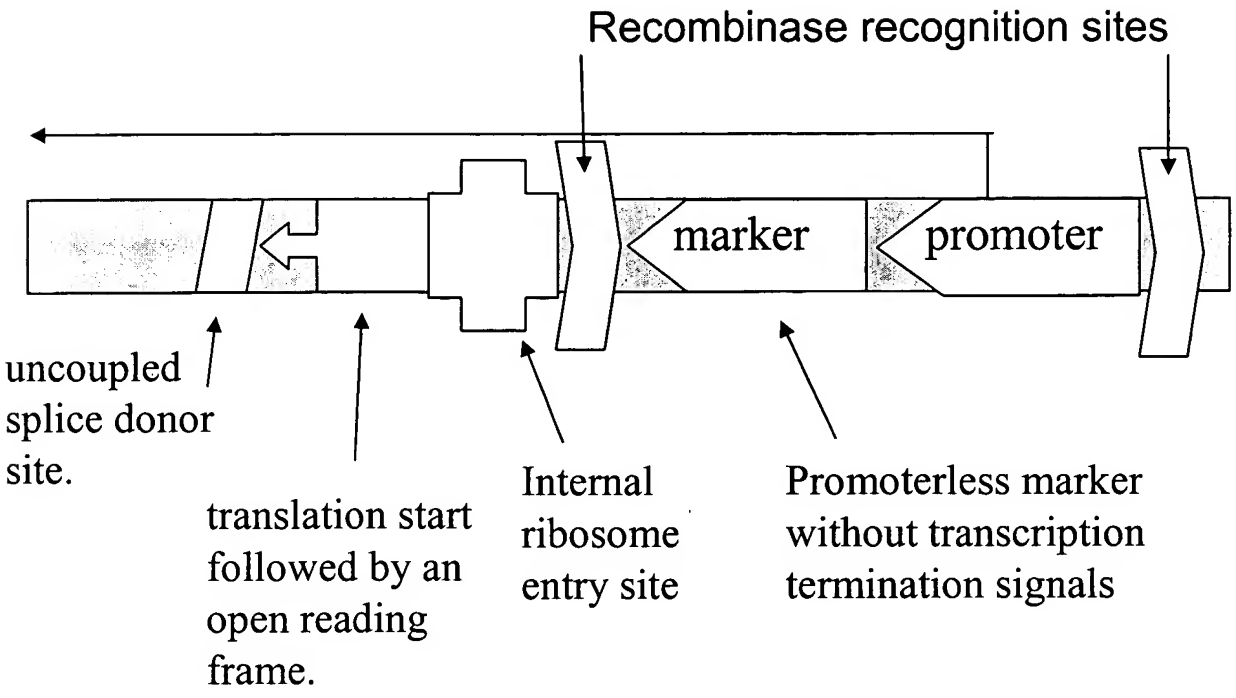

Recombinase recognition sites
marker
promoter
uncoupled splice donor site.
translation start followed by an open reading frame.
Internal ribosome entry site
Promoterless marker without transcription termination signals

Figure 6

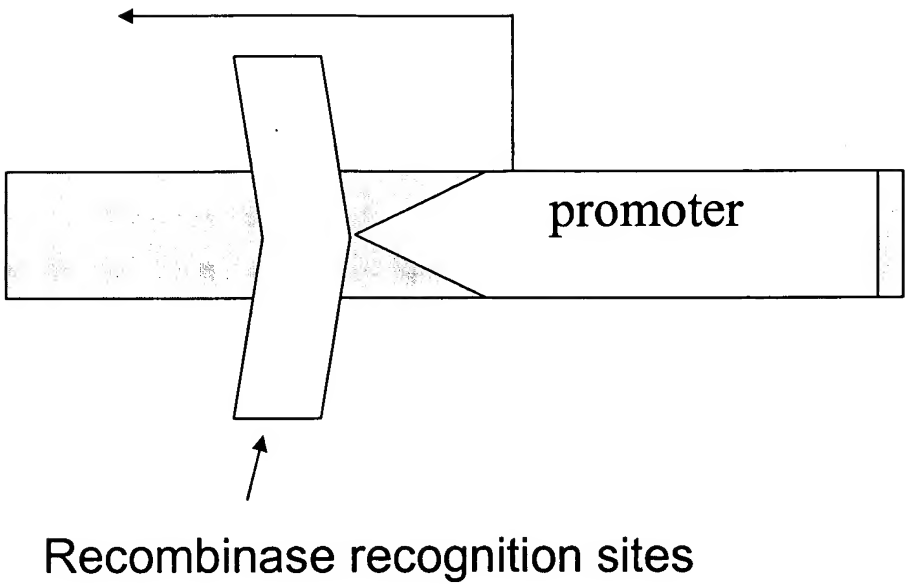


Figure 7

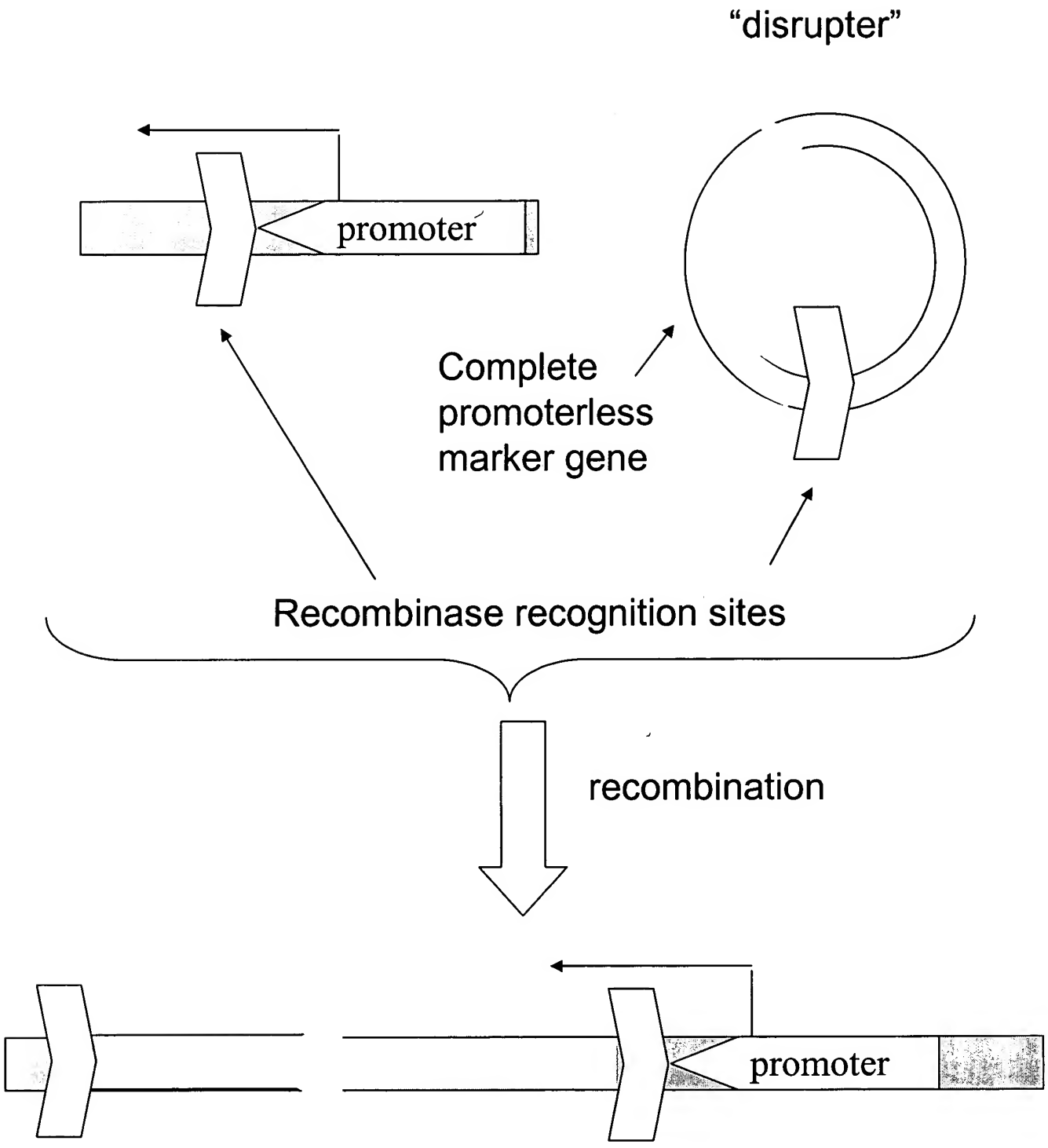

"disrupter"
promoter
Complete
promoterless
marker gene
Recombinase recognition sites
recombination
promoter

Figure 8

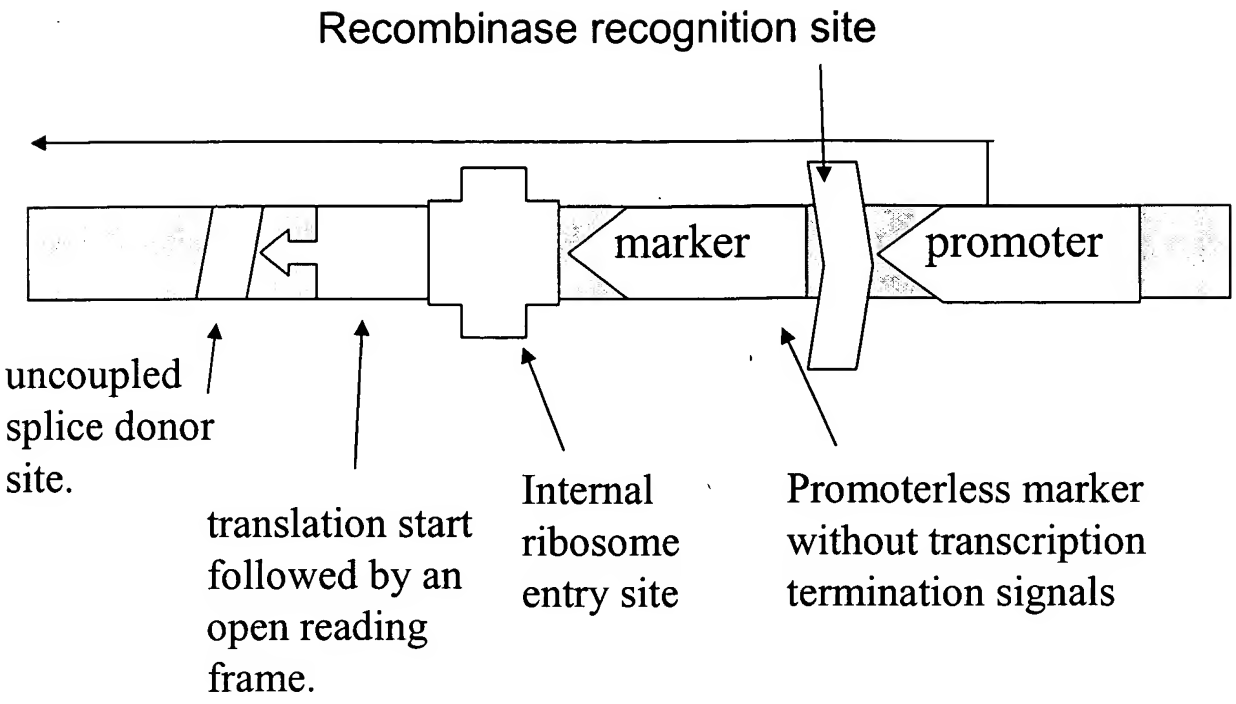

Recombinase recognition site
marker
promoter
uncoupled splice donor site.
translation start followed by an open reading frame.
Internal ribosome entry site
Promoterless marker without transcription termination signals

Figure 9

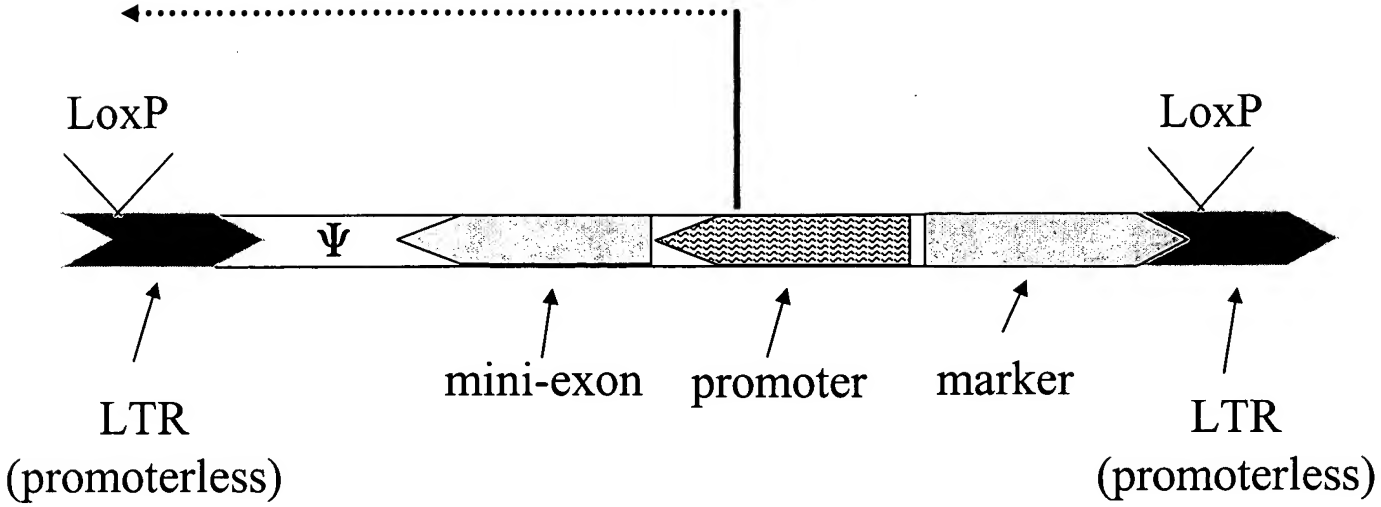

LoxP
LoxP
Ψ
LTR
(promoterless)
mini-exon
promoter
marker
LTR
(promoterless)

Figure 10

Figure 11

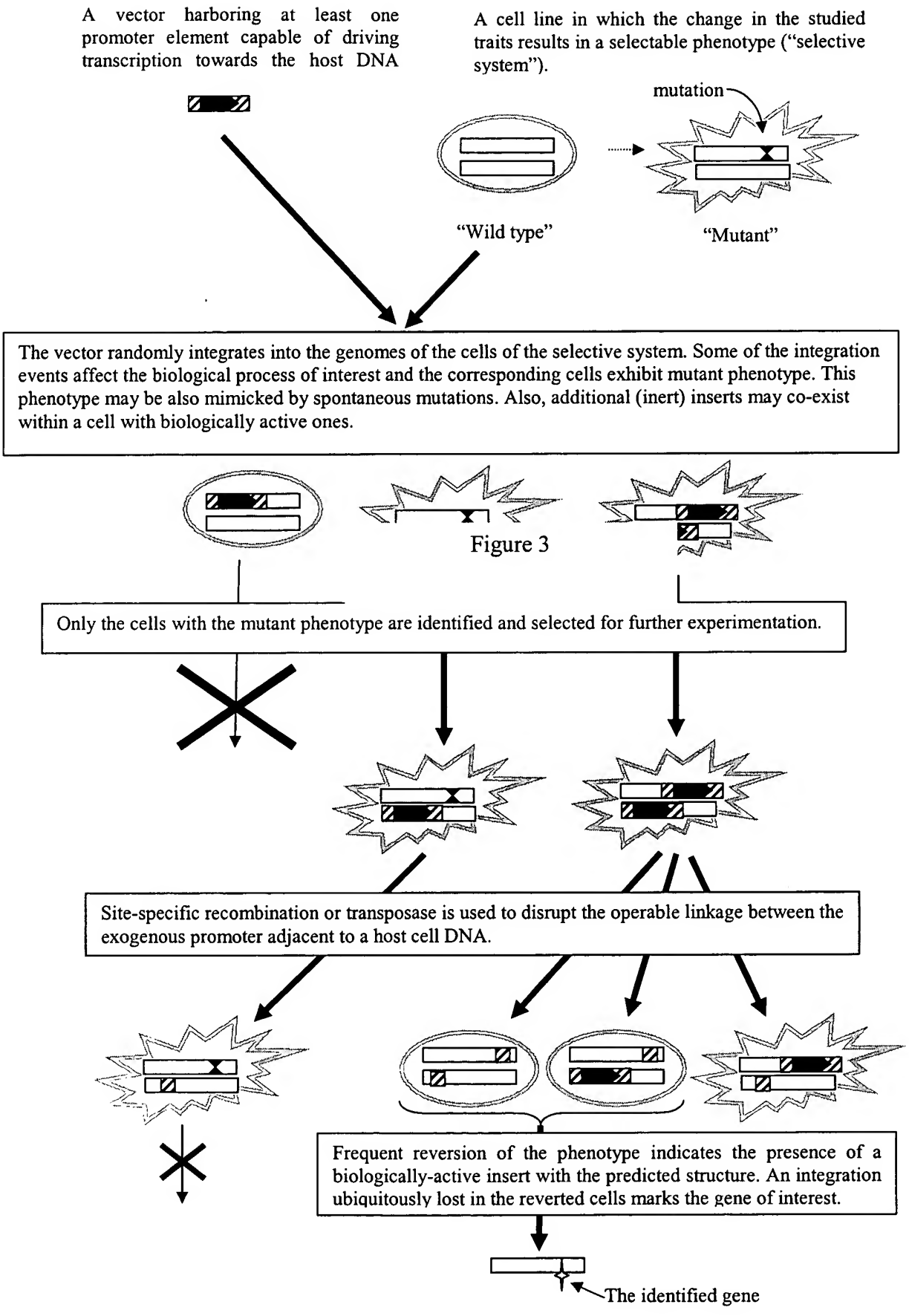


Figure 3

Figure 12

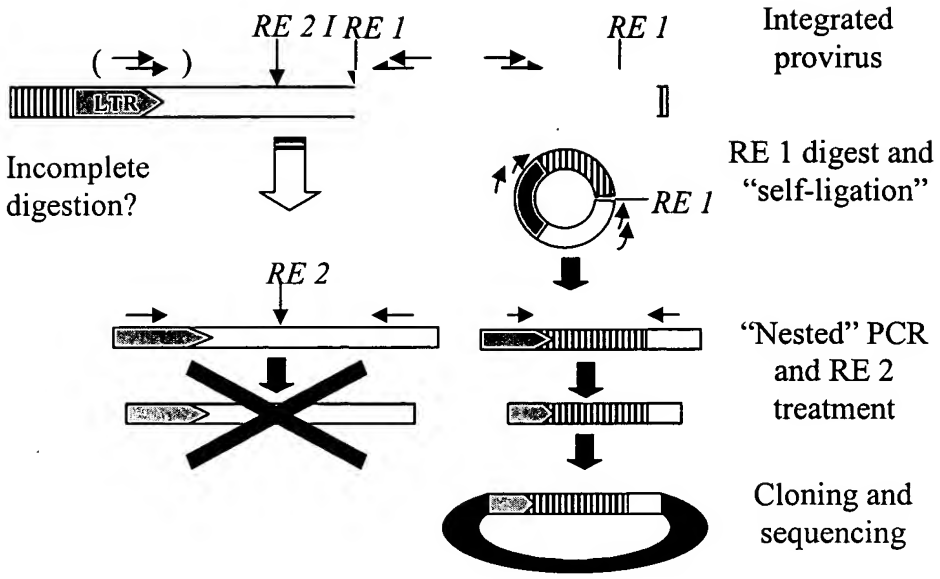

RE 2 I RE 1
RE 1
Integrated provirus
LTR
Incomplete digestion?
RE 1 digest and "self-ligation"
RE 1
RE 2
"Nested" PCR and RE 2 treatment
Cloning and sequencing

Figure 13

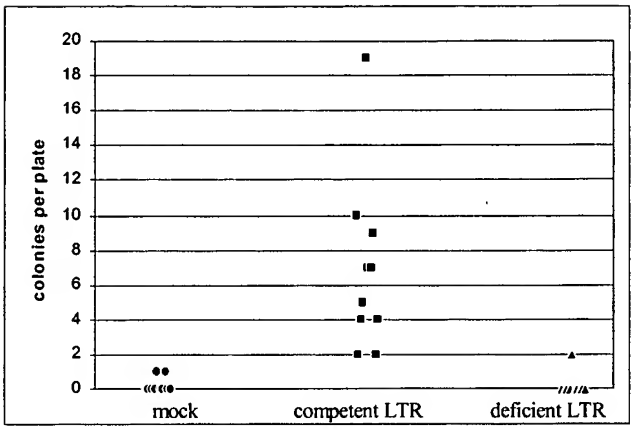
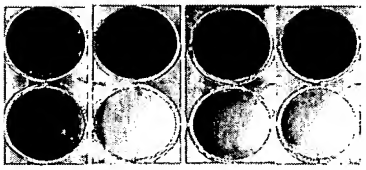

colonies per plate
20
18
16
14
12
10
8
6
4
2
0
mock
competent LTR
deficient LTR

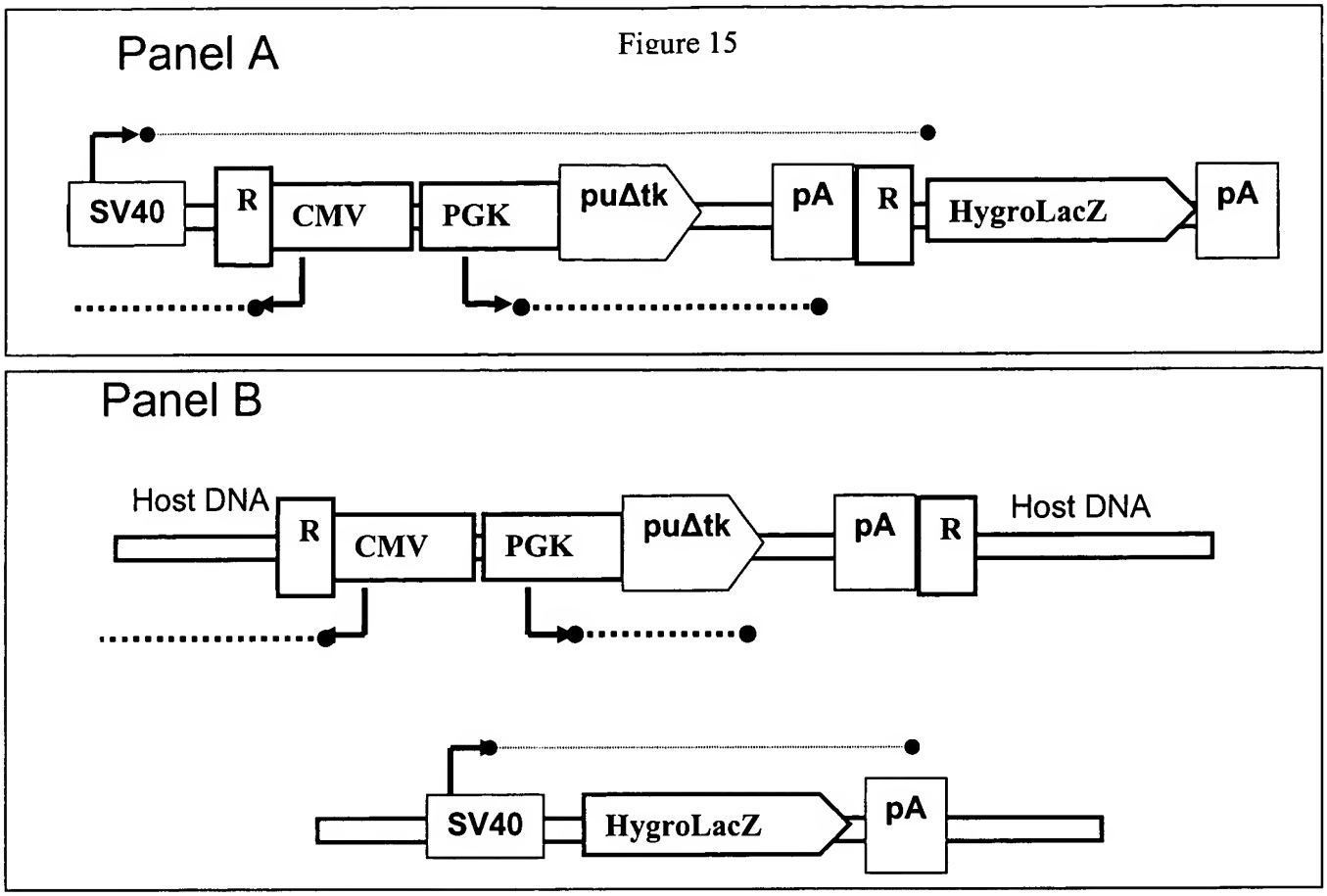
Figure 14



1. Untreated

2. Puromycin

Figure 15


Panel A
SV40
R
CMV
PGK
puΔtk
pA
R
HygroLacZ
pA
Panel B
Host DNA
R
CMV
PGK
puΔtk
pA
R
Host DNA
SV40
HygroLacZ
pA